SEQUENCE LISTING

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<110> Jackson, W. James
      Harris, Andrea M.
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Ser Val Ser Met Leu Leu Pro Asp Phe Ala Gln Leu Val Gln Ser Glu

Gly Pro Ala Val Val Asn Ile Gln Ala Ala Pro Ala Pro Arg Thr Gln 65 70

Asn Gly Ser Gly Asn Ala Glu Thr Asp Ser Asp Pro Leu Ala Asp Ser

Asp Pro Phe Tyr Glu Phe Phe Lys Arg Leu Val Pro Asn Met Pro Glu

Ile Pro Gln Glu Glu Ala Asp Asp Gly Gly Leu Asn Phe Gly Ser Gly

Phe Ile Ile Ser Lys Asn Gly Tyr Ile Leu Thr Asn Thr His Val Val 135 140

Ala Gly Met Gly Ser Ile Lys Val Leu Leu Asn Asp Lys Arg Glu Tyr 145

Thr Ala Lys Leu Ile Gly Ser Asp Val Gln Ser Asp Val Ala Leu Leu 170

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Gly Phe Asp Asn Ser Val Thr Ala Gly Ile Val Ser Ala Lys Gly Arg 210 215 220

Ser Leu Pro Asn Glu Ser Tyr Thr Pro Phe Ile Gln Thr Asp Val Ala 225 230 235 240

Ile Asn Pro Gly Asn Ser Gly Gly Pro Leu Phe Asn Leu Lys Gly Gln 245 250 255

Val Val Gly Ile Asn Ser Gln Ile Tyr Ser Arg Ser Gly Gly Phe Met 260 265 270

Gly Ile Ser Phe Ala Ile Pro Ile Asp Val Ala Met Asn Val Ala Glu 275 280 285

Gln Leu Lys Asn Thr Gly Lys Val Gln Arg Gly Gln Leu Gly Val Ile 290 295 300

Ile Gln Glu Val Ser Tyr Gly Leu Ala Gln Ser Phe Gly Leu Asp Lys 305 310 315 320

Ala Ser Gly Ala Leu Ile Ala Lys Ile Leu Pro Gly Ser Pro Ala Glu 325 330 335

Arg Ala Gly Leu Gln Ala Gly Asp Ile Val Leu Ser Leu Asp Gly Gly 340 345 350

Glu Ile Arg Ser Ser Gly Asp Leu Pro Val Met Val Gly Ala Ile Thr 355 360 365

Pro Gly Lys Glu Val Ser Leu Gly Val Trp Arg Lys Gly Glu Glu Ile 370 375 380

Thr Ile Lys Ala Lys Leu Gly Asn Ala Ala Glu His Thr Gly Ala Ser 390 395 400

Ser Lys Thr Asp Glu Ala Pro Tyr Thr Glu Gln Gln Ser Gly Thr Phe 405 410 415

Ser Val Glu Ser Ala Gly Ile Thr Leu Gln Thr His Thr Asp Ser Ser 420 425 430

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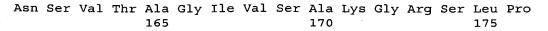
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Gly Ser Ile Lys Val Leu Leu Asn Asp Lys Arg Glu Tyr Thr Ala Lys 100 105 110

Leu Ile Gly Ser Asp Val Gln Ser Asp Val Ala Leu Leu Lys Ile Asp 115 120 125

Ala Thr Glu Glu Leu Pro Val Val Lys Ile Gly Asn Pro Lys Asn Leu 130 135 140

Lys Pro Gly Glu Trp Val Ala Ala Ile Gly Ala Pro Phe Gly Phe Asp 145 150 155 160



Asn Glu Ser Tyr Thr Pro Phe Ile Gln Thr Asp Val Ala Ile Asn Pro 180 185 190

Gly Asn Ser Gly Gly Pro Leu Phe Asn Leu Lys Gly Gln Val Val Gly
195 200 205

Ile Asn Ser Gln Ile Tyr Ser Arg Ser Gly Gly Phe Met Gly Ile Ser 210 215 220

Phe Ala Ile Pro Ile Asp Val Ala Met Asn Val Ala Glu Gln Leu Lys 225 230 235 240

Asn Thr Gly Lys Val Gln Arg Gly Gln Leu Gly Val Ile Ile Gln Glu 245 250 255

Val Ser Tyr Gly Leu Ala Gln Ser Phe Gly Leu Asp Lys Ala Ser Gly 260 265 270

Ala Leu Ile Ala Lys Ile Leu Pro Gly Ser Pro Ala Glu Arg Ala Gly 275 280 285

Leu Gln Ala Gly Asp Ile Val Leu Ser Leu Asp Gly Gly Glu Ile Arg 290 295 300

Ser Ser Gly Asp Leu Pro Val Met Val Gly Ala Ile Thr Pro Gly Lys 305 310 315 320

Glu Val Ser Leu Gly Val Trp Arg Lys Gly Glu Glu Ile Thr Ile Lys 325 330 335

Ala Lys Leu Gly Asn Ala Ala Glu His Thr Gly Ala Ser Ser Lys Thr 340 345 350

Asp Glu Ala Pro Tyr Thr Glu Gln Gln Ser Gly Thr Phe Ser Val Glu 355 360 365

Ser Ala Gly Ile Thr Leu Gln Thr His Thr Asp Ser Ser Gly Lys His 370 375 380

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5